

TABLE OF CONTENTS

Section 1 – Introduction	1-1
1.1 Scenarios Considered	1-2
1.2 Indirect Effects of Transportation Actions	1-2
1.3 General Methodology	1-5
Section 2 – Study Area Features, Trends and Goals	2-1
2.1 Introduction	2-1
2.2 Study Area Definition	2-1
2.3 Topic Reports	2-2
2.3.1 Transportation	2-3
2.3.2 Tourism	2-16
2.3.3 Economic Development	2-32
2.3.4 Agriculture/Aquaculture	2-48
2.3.5 Environmental Resources	2-62
2.3.6 Quality of Life/Livable Communities	2-88
2.4 Summary of Public Involvement Activities	2-114
2.4.1 Phase I – April 2001	
2.4.1.1 Common Themes	2-114
2.4.1.2 Public Meetings	2-115
2.4.1.3 Comments by Telephone	2-117
2.4.1.4 Comments by E-mail	2-117
2.4.1.5 Summary of Impacts Identified by County Residents	2-117
2.4.2 Phase II – October 2001	2-119
2.4.2.1 Accomack County	2-120
2.4.2.2 Northampton County	2-121
Section 3 – Induced Activity Assessment	3-1
3.1 Future Condition Scenarios	3-1
3.2 Regional Accessibility/Housing Market Analysis	3-2
3.2.1 Housing Market Description	3-2
3.2.1.1 Population Characteristics	3-2
3.2.1.2 Income	3-3
3.2.1.3 Education	3-3
3.2.1.4 Employment	3-3
3.2.1.5 Housing	3-4
3.2.1.6 Current Home Construction	3-5
3.2.1.7 Attractiveness of Eastern Shore to Hampton Roads Residents	3-5
3.2.2 Regional Accessibility	3-6
3.2.2.1 Literature/Methodology	3-6
3.2.2.2 Current Commuting Patterns	3-6
3.2.2.3 Toll Sensitivity and Travel Costs	3-8
3.2.2.4 Time-Equivalent Travel Cost	3-10
3.3 Development Potential	3-18

3.3.1	2025 Scenario-Based Forecasts	3-18
3.3.1.1	Findings.....	3-23
3.3.1.2	Sensitivity Analysis	3-26
3.3.2	Buildout/Holding Capacity Analysis	3-27
3.3.2.1	Findings.....	3-31
3.3.3	Land Consumption	3-31
3.3.4	Geography of Development Potential.....	3-33
Section 4 – Potential Impacts		4-1
4.1	Transportation.....	4-1
4.1.1	Through-Traffic	4-1
4.1.2	Tourist Traffic.....	4-3
4.1.3	Traffic Safety	4-3
4.1.4	Conclusion	4-3
4.2	Tourism.....	4-4
4.2.1	Tourism Activity.....	4-4
4.2.2	Second Home Development	4-5
4.2.3	Summary.....	4-7
4.3	Economic Development	4-7
4.3.1	Industry Mix.....	4-7
4.3.2	Business Costs and Reach	4-8
4.3.3	Personal Travel Costs and Job Access.....	4-9
4.3.4	Quality of Life.....	4-9
4.3.5	Local Residential Development.....	4-9
4.3.6	Construction Employment	4-10
4.3.7	Business Location Changes	4-12
4.3.8	Summary.....	4-14
4.4	Agriculture/Aquaculture	4-14
4.5	Environmental Resources	4-15
4.5.1	Development Impacts	4-14
4.5.2	Wetlands	4-15
4.5.3	Woodlands and Migratory Bird Habitats	4-16
4.5.4	Ground and Surface Water	4-18
4.6	Quality of Life/Livable Communities	4-22
4.6.1	Access to Employment/Amenities.....	4-22
4.6.2	Employment Base	4-22
4.6.3	Community Cohesion	4-22
4.6.4	Fiscal Impacts	4-23
Section 5 – Strategies for the Future		5-1
5.1	Case Studies.....	5-2
5.1.1	Suffolk County, New York.....	5-3
5.1.2	Currituck County, North Carolina	5-8
5.1.3	Door County, Wisconsin.....	5-10
5.1.4	Sanibel Island, Florida	5-14
5.1.5	New Jersey Pinelands	5-17

5.1.6 Lancaster County, Pennsylvania..... 5-22

5.1.7 Montgomery County, Maryland 5-26

5.1.8 Jackson, Wyoming..... 5-32

5.1.9 Loudoun County, Virginia 5-35

5.1.10 Isle of Wight County, Virginia 5-41

5.1.11 Summary 5-43

5.2 Effective Practices 5-47

5.3 County Policy Positions..... 5-58

5.4 Review of Current Statutes and Regulations 5-61

5.4.1 Commonwealth of Virginia 5-61

5.4.2 Eastern Shore 5-62

5.5 Strategies for the Eastern Shore – Potential Action Plan..... 5-65

5.5.1 Priority Actions 5-65

5.5.2 Other Potential Strategies 5-71

5.5.3 Future Efforts 5-72